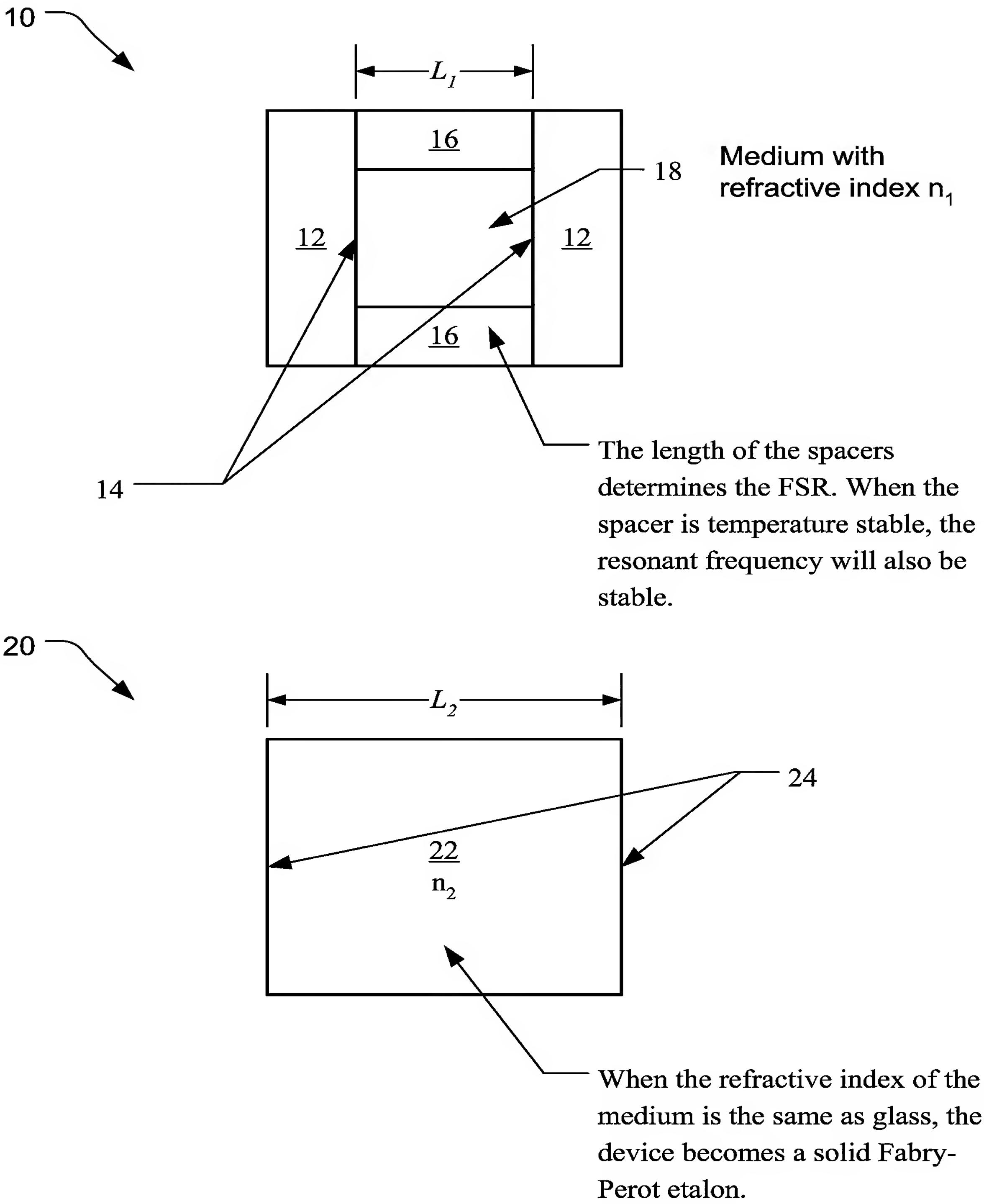


FIG. 1 (background art)



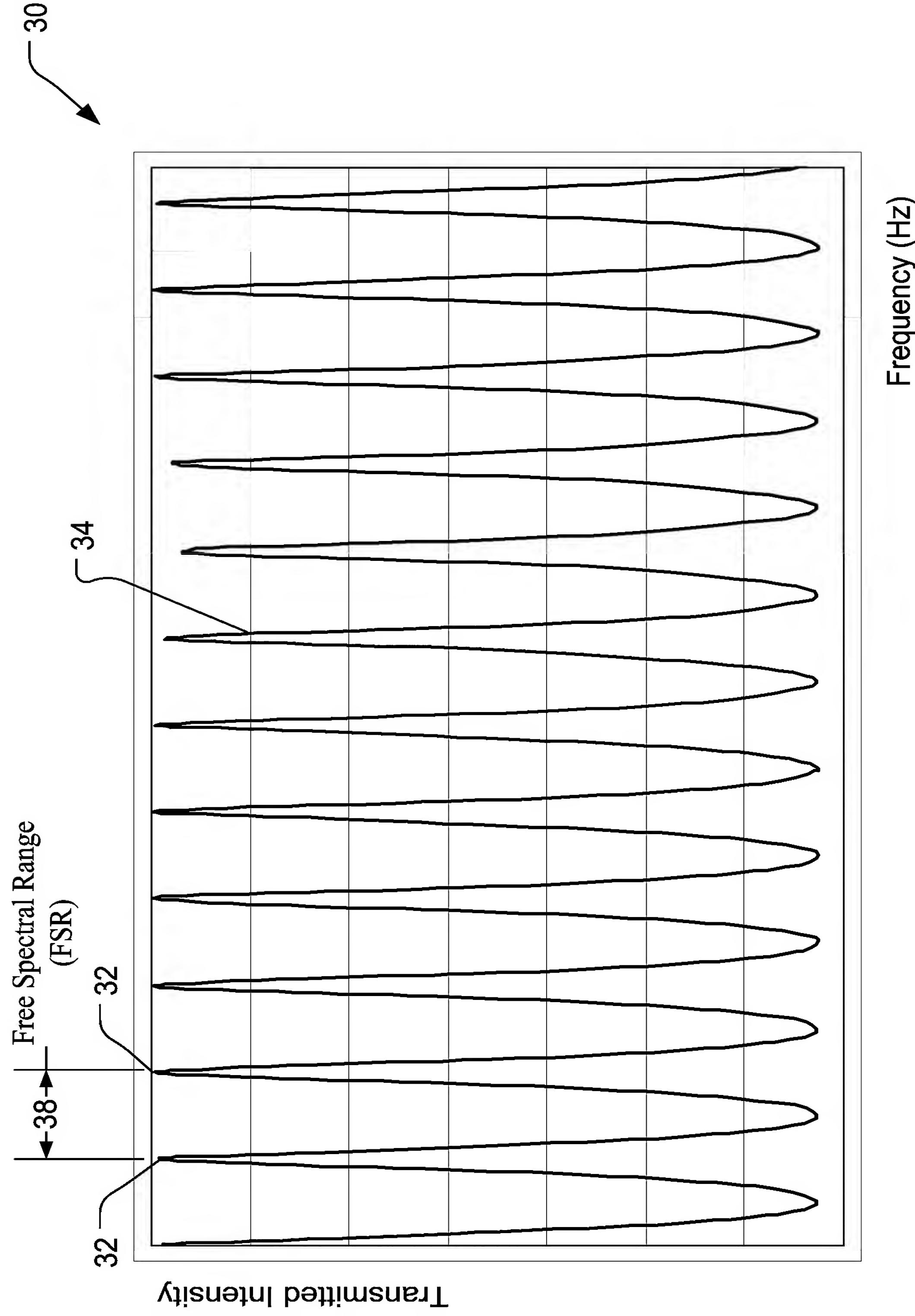
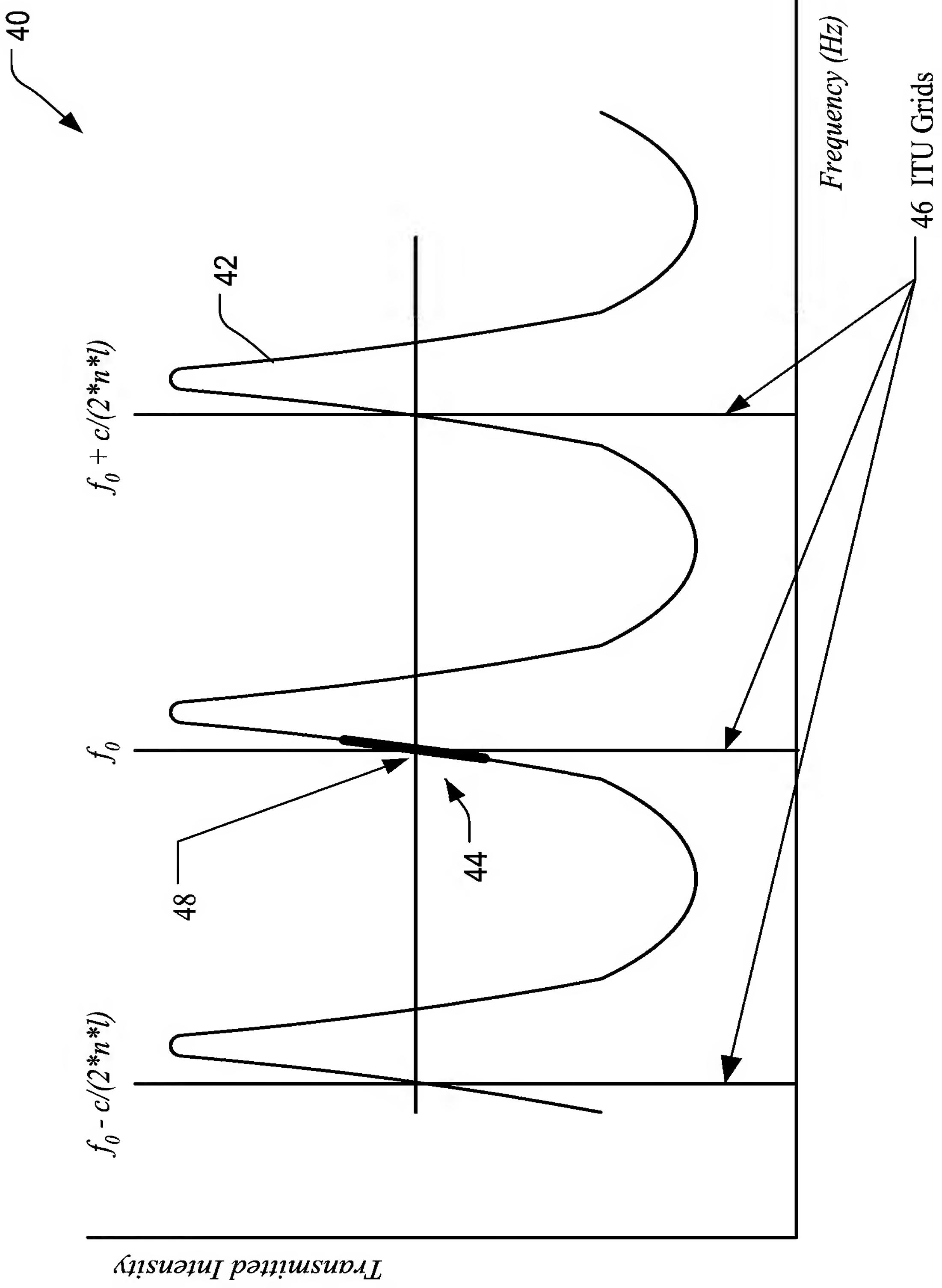


FIG. 2 (background art)

FIG. 3 (background art)



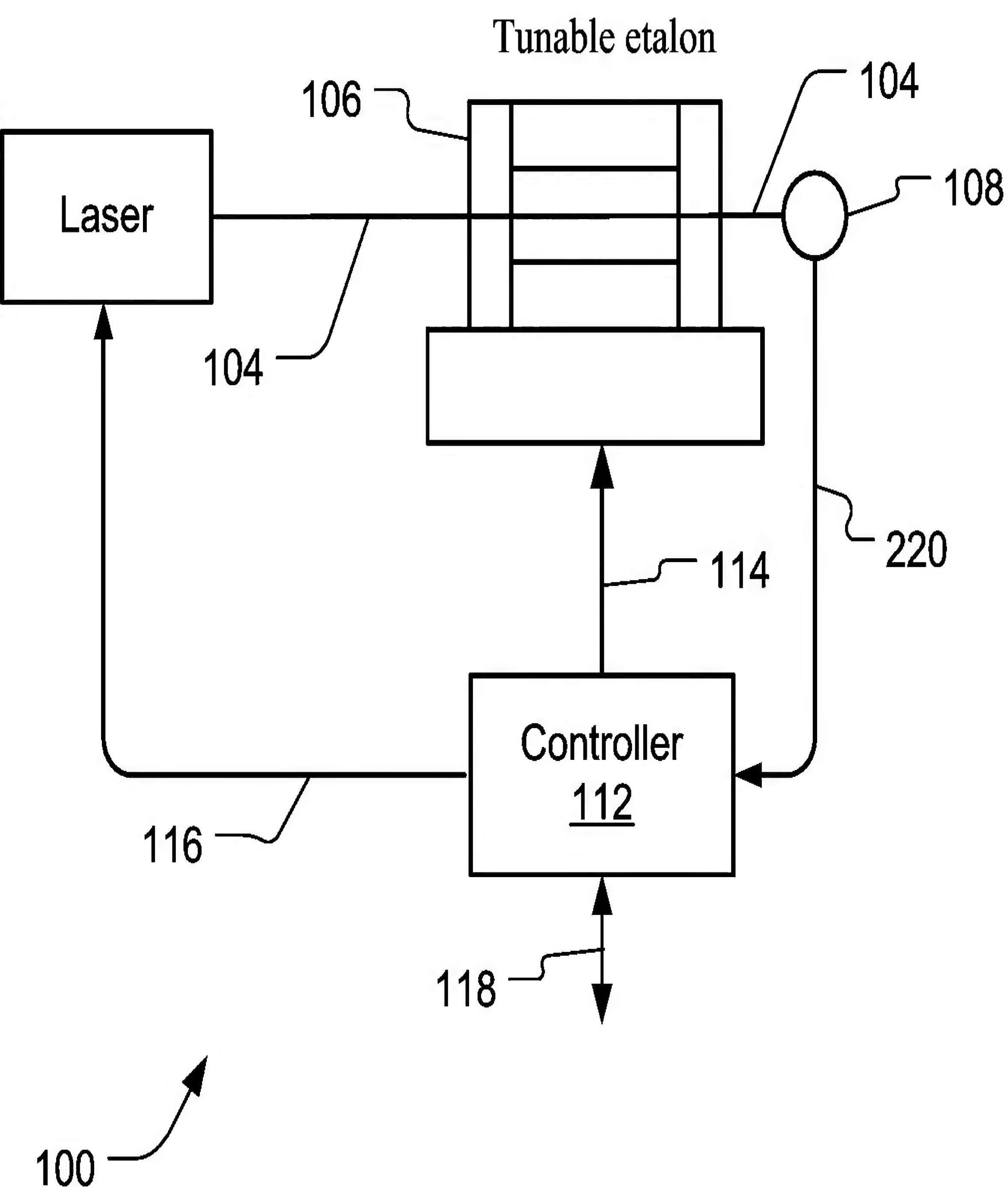
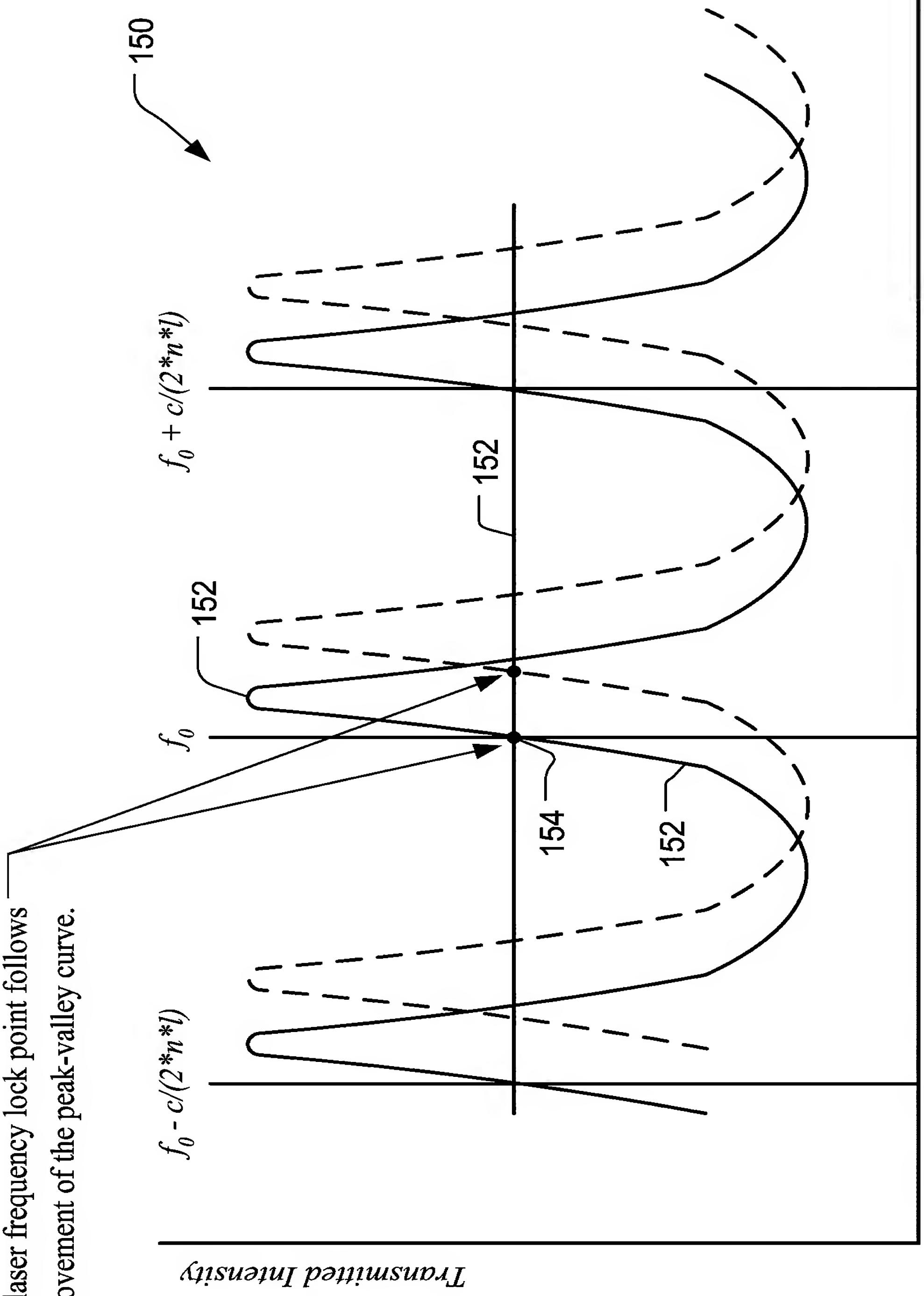


FIG. 4

FIG. 5

The laser frequency lock point follows the movement of the peak-valley curve.



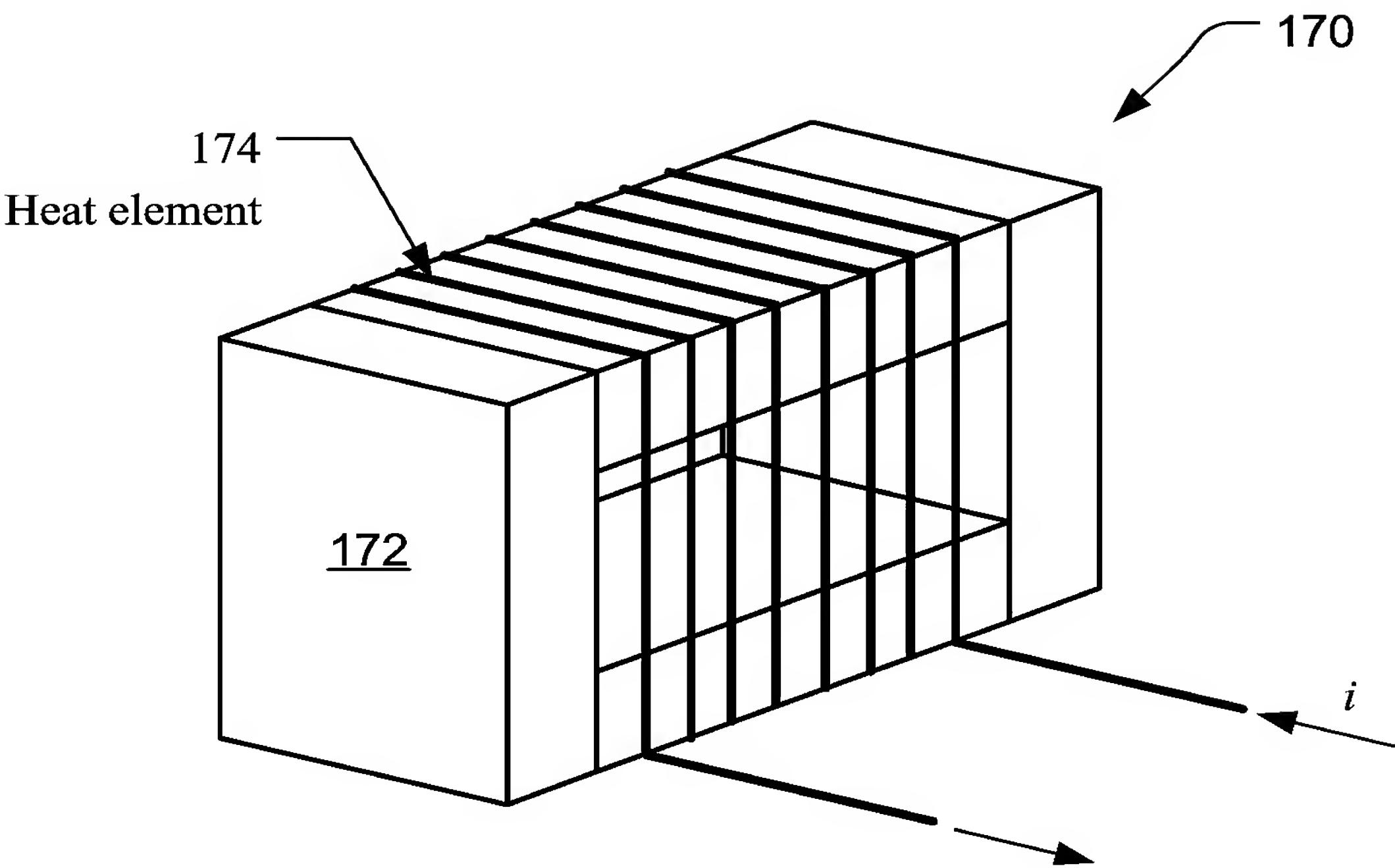


FIG. 6a

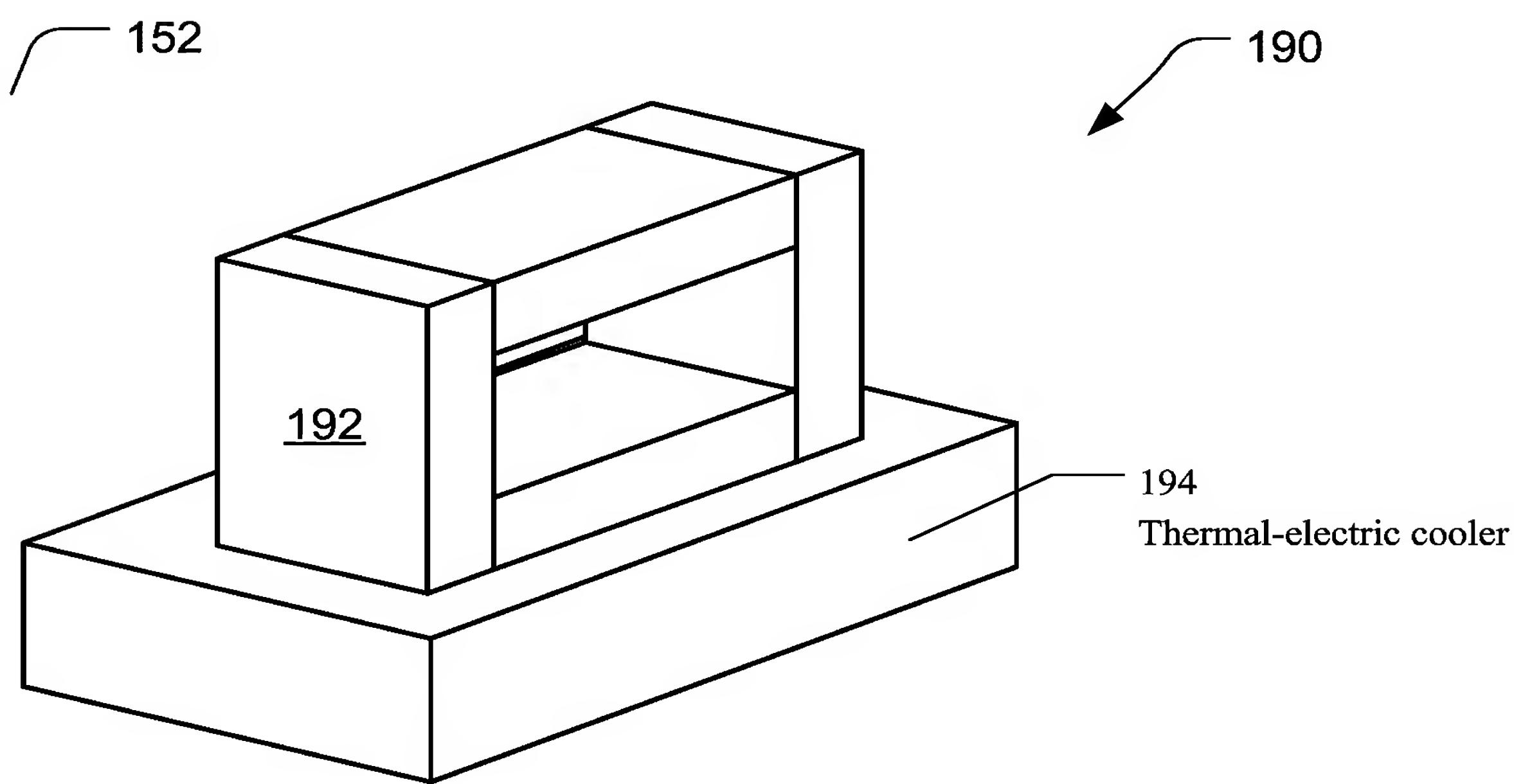


FIG. 6b

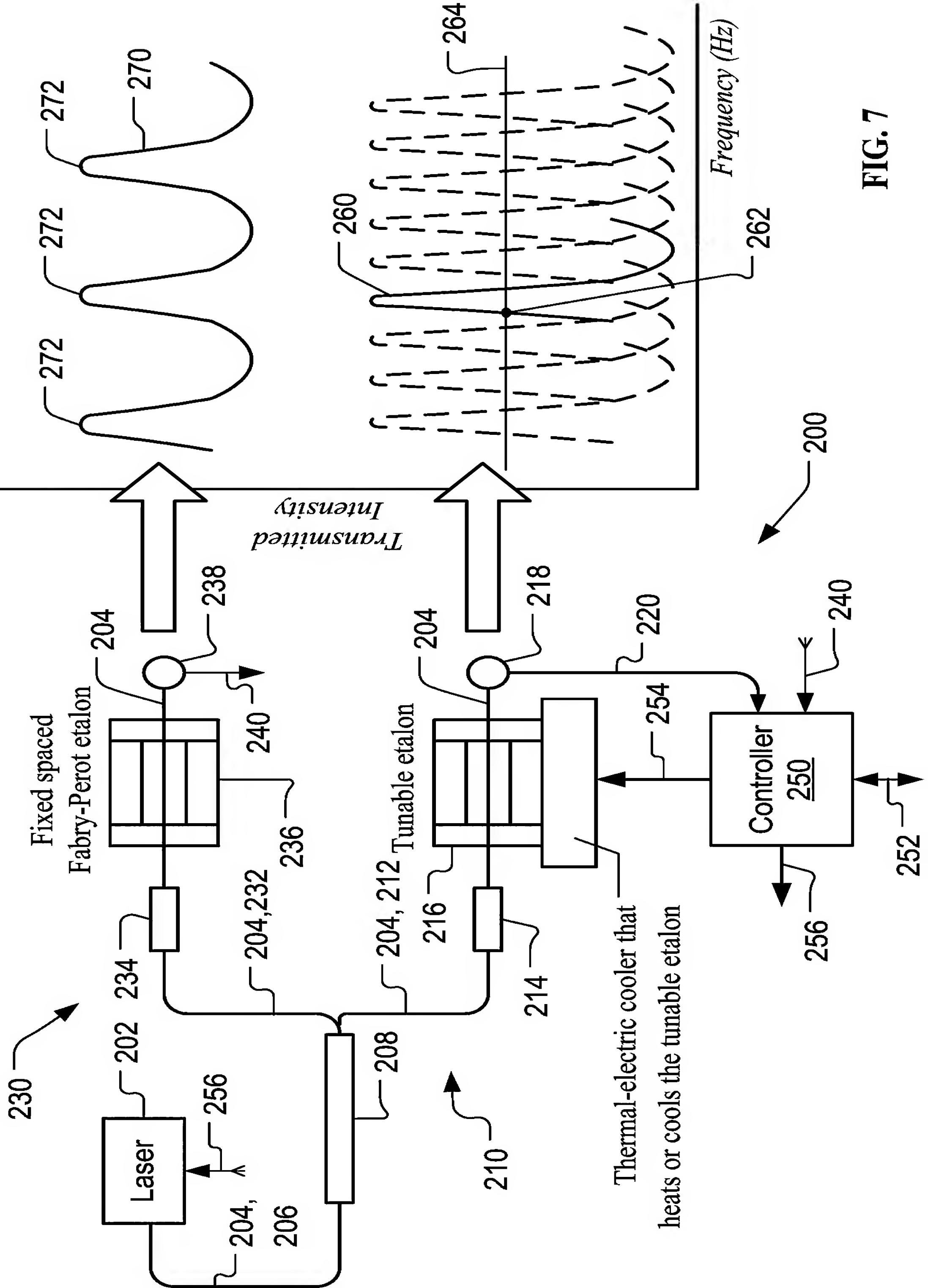
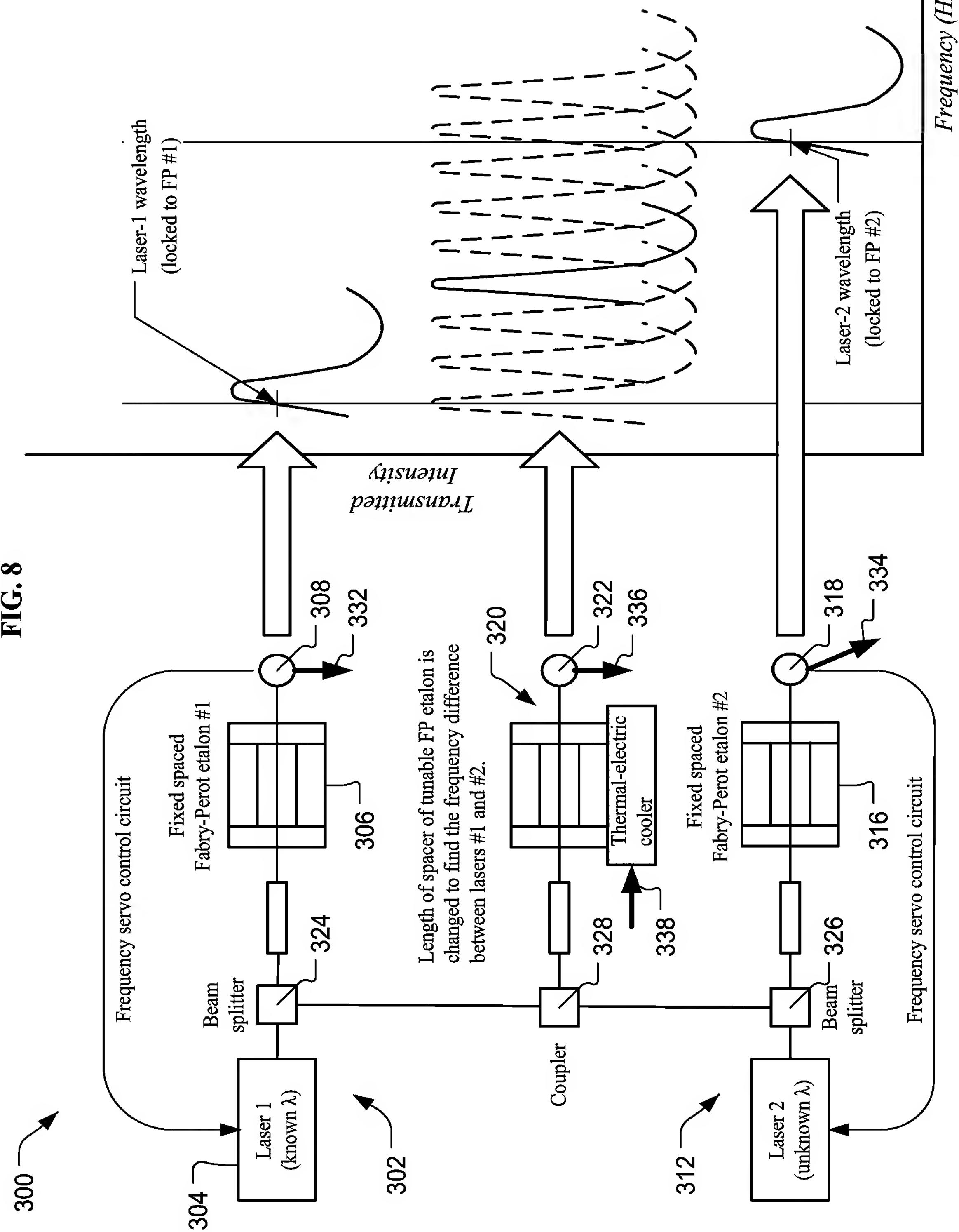


FIG. 8



ITU Frequency (GHz)	Etalon Temperature (°C)	Etalon Spacer Length (mm)
196100	14.0	2.844
196000	14.8	2.852
195900	15.6	2.860
195800	16.4	2.867
195700	17.2	2.875
195600	18.0	2.883
195500	18.8	2.891
195400	19.6	2.899
195300	20.4	2.906
195200	21.2	2.914
195100	22.0	2.922
195000	22.8	2.930
194900	23.6	2.938
194800	24.4	2.945
194700	25.2	2.953
194600	26.0	2.961
194500	26.8	2.969
194400	27.6	2.977
194300	27.6	2.984
194200	29.2	2.992
194100	30.0	3.000
194000	30.8	3.008
193900	31.6	3.016
193800	32.4	3.023
193700	33.2	3.031
193600	34.0	3.039
193500	34.8	3.047
193400	35.6	3.055
193300	36.4	3.062
193200	37.2	3.070
193100	38.0	3.078
193000	38.8	3.086
192900	39.6	3.094
192800	40.4	3.101
192700	41.2	3.109
192600	42.0	3.117
192500	42.8	3.125
192400	43.6	3.133
192300	44.4	3.140
192200	45.2	3.148

TBL. 1